Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Tuesday 31 Dec 2024 until 23:59 on Wednesday 01 Jan 2025

Forecast Issued on Monday 30 Dec 2024 at 09:39

Confidence: High for wet and windy conditions on New Year's Eve then low confidence for the timings of rain or snow clearing south on New Year's Day and transition to colder conditions.

Headline for Tuesday 31 Dec 2024: Very wet and windy. Storm force winds on high slopes.

Mountain weather hazards on Tuesday 31 Dec 2024

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
Medium Likelihood

Gales
High Likelihood

Severe chill effect
Medium Likelihood

Poor visibility
High Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
High Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
FOG	FOG	FOG					
Fog	Fog	Fog	Heavy Rain	Heavy Rain	Heavy Rain	Light rain	Heavy Rain
Precipitation probability							
10%	10%	20%	80%	>95%	60%	60%	90%

Forecast for Tuesday 31 Dec 2024

Weather: Mainly dry overnight with patchy light rain. Rain becoming persistent and heavy in the morning with drenching conditions for much of the day. Turning showery for a time in the afternoon then persistent again in the evening with wet snow on the highest tops. Severe, stormy conditions on the tops.

Chance of cloud-free hill tops above 800m: 10%, becoming 40% for a time in afternoon.

Low cloud and visibility: Extensive cloud above 500 or 600m, perhaps lifting a little in the afternoon. Poor visibility for much of the day in rain.

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Mountain Weather Forecast

Forecast for Tuesday 31 Dec 2024

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	43/53 SW	54/67 SW	56/70 SW	60/76 SW	67/84 SW	57/73 SW	50/64 SW	46/59 SW	43/57 W
600	35/46 SW	44/60 SW	45/62 SW	45/63 SW	49/67 SW	44/62 SW	38/54 SW	36/51 SW	34/48 SW
300	14/35 SW	18/45 SW	18/45 SW	17/47 SW	19/52 SW	18/47 SW	17/42 SW	16/39 SW	15/37 SW
Valley	13/33 SW	17/40 SW	17/42 SW	19/48 SW	22/53 SW	19/45 SW	17/39 SW	17/39 SW	17/37 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	3/-5	3/-6	3/-6	3/-6	4/-5	4/-4	3/-6	2/-7	1/-8
600	5/-2	5/-2	5/-3	5/-2	6/-2	6/-1	5/-2	4/-3	3/-4
300	7/3	7/3	7/3	7/3	7/3	8/4	8/4	6/2	6/2
Valley	8/6	9/5	9/6	9/5	9/5	10/6	9/6	8/5	8/4
Freezing Level*	1400m	1400m	1500m	2000m	1900m	1500m	1300m	1100m	1000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Gusts of 70 to 90mph on high slopes will make walking almost impossible. Severe conditions from heavy rain, strong winds and wind chill.

Forecast for Wednesday 01 Jan 2025

Weather: Rain, sleet, with snow mainly above 400m but perhaps to lower levels, overnight and in the morning. This is expected to clear south by afternoon but timings and snow levels are uncertain at this stage. Drier for a time then a band of showery sleet or snow moves south. Dry, clear and very cold weather following in evening.

Maximum wind: Southwesterly 40mph gusts 55mph overnight becoming Westerly or Northwesterly 25 to 30mph gusts 40mph.

Chance of cloud-free hill tops above 800m: 10% becoming 60%.

Low cloud and visibility: Extensive cloud above 600m overnight and to start the morning with poor or very poor visibility in rain or snow. Improving in the afternoon for a time with cloud lifting, then poor for a time later in showery sleet or snow.

Temperature: **Valleys:** Plus 5 or 6C, falling to Plus 1C later.
At 800m: Plus 1C falling to Minus 1C, then Minus 5 C in evening.
Freezing level: 900m falling to 400m, then valley level in evening.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Monday 30 December 2024 Location: Helvellyn summit at 11:00 UTC. Full report: A very challenging day on the Lake District fells with torrential rain, high winds and poor visibility. Winds increased rapidly with height with gusts of 60mph through cols and over exposed ridges. Wind speeds this high can easily affect your balance or even knock you off your feet with a high risk of injury. You will also expand a lot more energy walking in these conditions. Goggles can be a welcome addition to your kit to maintain some semblance of enjoyment. Full winter clothing is currently essential for anyone venturing into the hills. This should include waterproof tops and bottoms, warm layers, hats and gloves, appropriate footwear with plenty of grip plus a torch, mobile phone, whistle, survival bag, food and a couple of reliable means of navigation. There is currently no snow or ice in the Lake District. Weather conditions are again forecast to be extremely bad on Tuesday before the arrival of colder more settled conditions with potentially significant snowfall in the New Year. Temperature: plus 3.2 C, Maximum wind speed 58.9 mph, Wind chill: minus 6.4 C, Average wind speed: 32.5 mph.

Issued at: 0939 on Mon 30 Dec 2024

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